



cct gga gaa tta gtc tta gat ttt gcc gag ctt gca aga gat cca agt 619  
 Pro Gly Glu Leu Val Leu Asp Phe Ala Glu Leu Ala Arg Asp Pro Ser  
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tca act aga ctt gat ctt aca aat tat gtt gat tat gta tat tgg ggc 667  
 Ser Thr Arg Leu Asp Leu Thr Asn Tyr Val Asp Tyr Val Tyr Ser Gly  
                   30                                  35                                  40

gct tct ggt att gtt aag ccg gaa gat atg gtt gta gat ctt ggg ata 715  
 Ala Ser Gly Ile Val Lys Pro Glu Asp Met Val Val Asp Leu Gly Ile  
                   45                                  50                                  55

aat aat tgg agc gtt tta ttt act cct tct gca agg ttg sag gct tac 763  
 Asn Asn Trp Ser Val Leu Leu Thr Pro Ser Ala Arg Leu Gln Ala Tyr  
                   60                                  65                                  70                                  75

gtt aaa aat tca gtt gtt gcg ccc gct gtt gtt aag agt gag tca aaa 811  
 Val Lys Asn Ser Val Val Ala Pro Ala Val Val Lys Ser Glu Ser Lys  
                                   80                                  85                                  90

agg tac gca ggt gat act att ttg ggg gta aga gtt ttg ttt cca agc 859  
 Arg Tyr Ala Gly Asp Thr Ile Leu Gly Val Arg Val Leu Phe Pro Ser  
                                   95                                  100                                  105

tat tct caa tca tct gct atg att atg cca cca ttt aaa att cct ttt 907  
 Tyr Ser Gln Ser Ser Ala Met Ile Met Pro Pro Phe Lys Ile Pro Phe  
                   110                                  115                                  120

tat tca ggg gaa agt ggc aat caa ttt tta ggc aaa ggt ctt att gat 955  
 Tyr Ser Gly Glu Ser Gly Asn Gln Phe Leu Gly Lys Gly Leu Ile Asp  
                   125                                  130                                  135

aac att aaa acc atg aaa gaa att aag gta tct gtt tat agt tta ggg 1003  
 Asn Ile Lys Thr Met Lys Glu Ile Lys Val Ser Val Tyr Ser Leu Gly  
                   140                                  145                                  150                                  155

tat gag ata gat ctt gag gtt tta ttt gaa gat atg aat ggc atg gaa 1051  
 Tyr Glu Ile Asp Leu Glu Val Leu Phe Glu Asp Met Asn Gly Met Glu  
                                   160                                  165                                  170

tat gct tat tct atg ggt act tta aag ttt aaa ggg tgg gct gat tta 1099  
 Tyr Ala Tyr Ser Met Gly Thr Leu Lys Ile Lys Gly Tyr Ala Asp Leu  
                   175                                  180                                  185

tat gct tat tct atg ggt act tta aag ttt aaa ggg tgg gct gat tta 1147  
 Tyr Ala Tyr Ser Met Gly Thr Leu Lys Ile Lys Gly Tyr Ala Asp Leu  
                   190                                  195                                  200

aaa gac gat gtt cca aat tat cct ctt gct tca agt aaa atg aca tat 1195  
 Lys Asp Asp Val Pro Asn Tyr Pro Leu Ala Ser Ser Lys Met Arg Phe  
                   205                                  210                                  215

tat gct tat tct atg ggt act tta aag ttt aaa ggg tgg gct gat tta 1243  
 Tyr Ala Tyr Ser Met Gly Thr Leu Lys Ile Lys Gly Tyr Ala Asp Leu  
                   220                                  225                                  230

tat gct tat tct atg ggt act tta aag ttt aaa ggg tgg gct gat tta  
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act agc gga act gaa tcc ctt cgt aaa tta aag gca cac gaa act ttt			1387
Thr Ser Gly Thr Glu Ser Leu Arg Lys Leu Lys Ala His Glu Thr Phe			
270	275	280	
aaa aga gtt tta aag ctt aga gaa aaa att tct atc gct gaa ggc tct			1435
Lys Arg Val Leu Lys Leu Arg Glu Lys Ile Ser Ile Ala Glu Gly Ser			
285	290	295	
ttc aaa aac ttt gta gaa aag att gag agt gaa aaa cct gaa gaa tca			1483
Phe Gln Asn Phe Val Glu Lys Ile Glu Ser Glu Lys Pro Glu Glu Ser			
300	305	310	315
tct cag aaa aat tag gtttaaatta atatgtaaag ctacctaaaa ggtttgcttt			1538
Ser Pro Lys Asn *			
320			
acatattaaa ataattaggaa atagatatg gaaatattag atttgaaaa tgaagagctt			1598
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 <212: PRT  
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 Glu Pro Gly Glu Leu Val Leu Asp Phe Ala Glu Leu Ala Arg Asp Pro  
 15 20 25  
 Ser Ser Thr Arg Leu Asp Leu Thr Asn Tyr Val Asp Tyr Val Tyr Ser  
 30 35 40  
 Gly Ala Ser Gly Ile Val Lys Phe Ile Asp Met Val Val Asp Leu Gly  
 45 50 55  
 Ile Asn Asn Thr Ser Val Ile Ile Thr Ile Ser Ala Arg Leu His Ala  
 60 65 70  
 Tyr Val Lys Asn Ser Val Val Ala Ile Ala Val Val Lys Ser Glu Ser  
 75 80 85  
 Lys Arg Tyr Ala Gly Asp Thr Ile Leu Gly Val Arg Val Leu Phe Pro  
 90 95 100 105  
 Ser Tyr Ser His Ser Ser Ala Met Ile Met Ile Ile Ile Ile Ile Ile

145                      160                      165                      170  
 Glu Tyr Ala Tyr Ser Met Gly Thr Leu Lys Phe Lys Gly Trp Ala Asp  
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 Leu Ile Trp Ser Asn Pro Asn Tyr Ile Pro Asn Ile Ser Ser Arg Ile  
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 Ile Lys Asp Asp Val Pro Asn Tyr Pro Leu Ala Ser Ser Lys Met Arg  
                                  205                      210                      215  
 Phe Lys Ala Phe Arg Val Ser Lys Ser His Ser Ser Lys Val Lys Asn  
                                  220                      225                      230  
 Phe Ile Phe Tyr Val Lys Asp Leu Arg Val Leu Tyr Asp Lys Leu Ser  
                                  235                      240                      245                      250  
 Val Ser Ile Asp Ser Asp Ile Asp Ser Glu Ser Val Phe Lys Val Tyr  
                                  255                      260                      265  
 Glu Thr Ser Gly Thr Glu Ser Leu Arg Lys Leu Lys Ala His Glu Thr  
                                  270                      275                      280  
 Phe Lys Arg Val Leu Lys Leu Arg Glu Lys Ile Ser Ile Ala Glu Gly  
                                  285                      290                      295  
 Ser Phe Gln Asn Phe Val Glu Lys Ile Glu Ser Glu Lys Pro Glu Glu  
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 Ser Ser Pro Lys Asn  
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21